

ABSTRACT OF THE DISCLOSURE

A display utilizing cholesterolin liquid crystal polymer for enhancing contrast includes a transparent substrate on which a bus-bar, an electric
5 hole conductive layer, a lighting layer, an electronic conductive layer and a cathode electrode layer are sequentially overlaid. An insulating packaging layer is disposed on the cathode electrode layer. The electric hole conductive layer is painted with polymer electric hole conductive material and coordinated on the bus-bar. The lighting layer has
10 cholesterolin liquid crystal phase and is made on the coordinated electric hole conductive layer. The lighting layer goes through backfire to be arranged into such a structure that the cholesterolin liquid crystal lighting molecules can induce and emit manual circular polarized light. A circular polarizing optical coating is attached to one face of the substrate.